

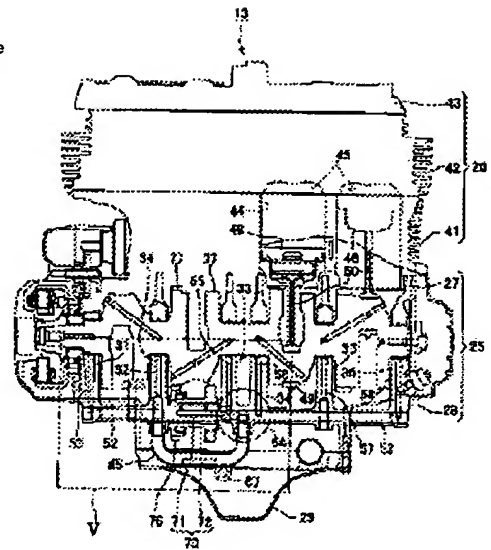
PARALLEL MULTI-CYLINDER ENGINE FOR VEHICLE

Patent number: JP2002201923
Publication date: 2002-07-19
Inventor: YASUI NOBUHIRO; YOSHIDA KOJI
Applicant: SUZUKI MOTOR CO
Classification:
- international: F01M1/06; F16F15/26
- european:
Application number: JP20000401988 20001228
Priority number(s): JP20000401988 20001228

[Report a data error here](#)

Abstract of JP2002201923

PROBLEM TO BE SOLVED: To reduce an engine production cost by disposing a balancer device and a main oil gallery near the underside of a crankshaft without allowing them to be interfered with each other to facilitate the formation of a journal oil passage, and reduce the size and weight of an engine by stably supporting the balancer device to increase a damping effect. **SOLUTION:** In this parallel multi-cylinder engine 13, the partial district of the main oil gallery 52 formed inside a lower case 28 forming a crank case 25 is divided, both end parts of the divided district are connected to each other through a bypass pipe 85, the bypass pipe 85 is formed in an approximate U- shape curved downward, at least a part of the balancer device 70 drivingly rotated by the crankshaft 37 is disposed inside the approximate U-shape, and the main oil gallery 52 and the balancer device 70 are overlapped with each other as viewed in the axial direction of the crankshaft 37.



Data supplied from the esp@cenet database - Worldwide

Best Available Copy